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FIG 1 Prior art

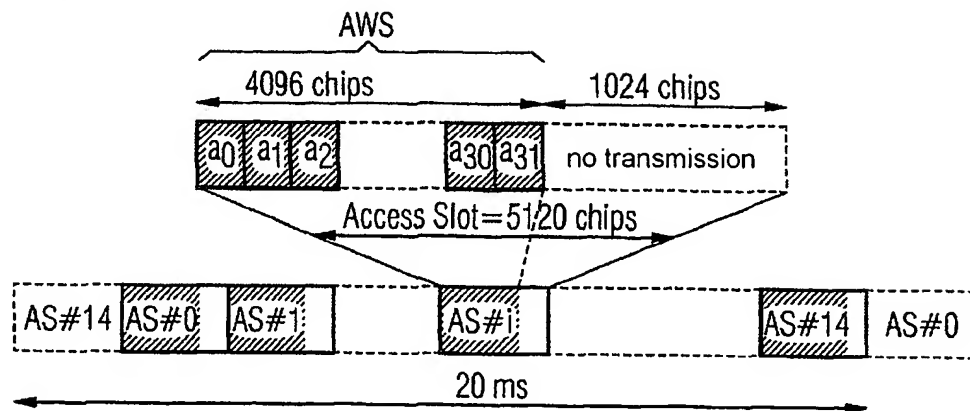


FIG 2 Prior art

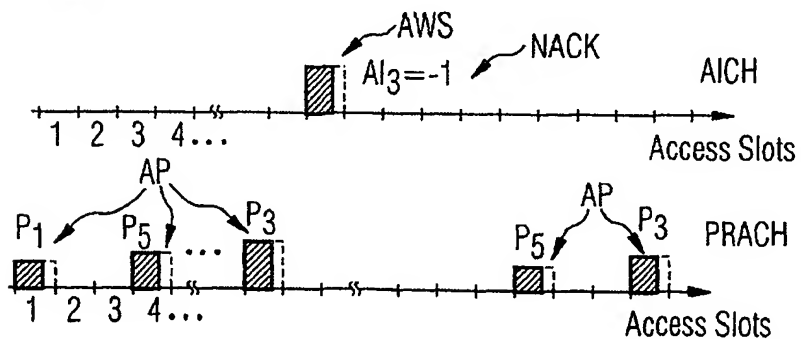


FIG 3 Prior art

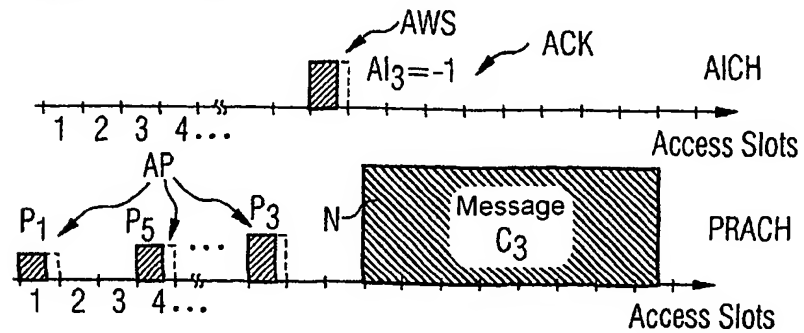


FIG 4 Prior art

No.	Preamble signatures P															
P ₀	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
P ₁	1	-1	1	-1	1	-1	1	-1	1	-1	1	-1	1	-1	1	-1
P ₂	1	1	-1	-1	1	1	-1	-1	1	1	-1	-1	1	1	-1	-1
P ₃	1	-1	-1	1	1	-1	-1	1	1	-1	-1	1	1	-1	-1	1
P ₄	1	1	1	1	-1	-1	-1	-1	1	1	1	1	-1	-1	-1	-1
P ₅	1	-1	1	-1	-1	1	-1	1	1	-1	1	-1	-1	1	-1	1
P ₆	1	1	-1	-1	-1	-1	1	1	1	1	-1	-1	-1	-1	1	1
P ₇	1	-1	-1	1	-1	1	1	-1	1	-1	-1	1	-1	1	1	-1
P ₈	1	1	1	1	1	1	1	1	-1	-1	-1	-1	-1	-1	-1	-1
P ₉	1	-1	1	-1	1	-1	1	-1	-1	1	-1	1	-1	1	-1	1
P ₁₀	1	1	-1	-1	1	1	-1	-1	-1	-1	1	1	-1	-1	1	1
P ₁₁	1	-1	-1	1	1	-1	-1	1	-1	1	1	-1	-1	1	1	-1
P ₁₂	1	1	1	1	-1	-1	-1	-1	-1	-1	-1	-1	1	1	1	1
P ₁₃	1	-1	1	-1	-1	1	-1	1	-1	1	-1	1	1	-1	1	-1
P ₁₄	1	1	-1	-1	-1	-1	1	1	-1	-1	1	1	1	1	-1	-1
P ₁₅	1	-1	-1	1	-1	1	1	-1	-1	1	1	-1	1	-1	-1	1

FIG 5 Prior art

No.	AICH signature character sequences b																																	
b ₀	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1				
b ₁	1	1	-1	-1	1	1	-1	-1	1	1	-1	-1	1	1	-1	-1	1	1	-1	-1	1	1	-1	-1	1	1	-1	-1	1	1	-1	-1		
b ₂	1	1	1	1	-1	-1	-1	-1	1	1	1	1	-1	-1	-1	-1	1	1	1	1	-1	-1	-1	-1	1	1	1	1	-1	-1	-1	-1		
b ₃	1	1	-1	-1	-1	-1	1	1	1	1	-1	-1	-1	-1	1	1	1	1	-1	-1	-1	-1	1	1	1	1	-1	-1	-1	-1	1	1		
b ₄	1	1	1	1	1	1	1	-1	-1	-1	-1	-1	-1	-1	1	1	1	1	1	1	1	1	1	1	-1	-1	-1	-1	-1	-1	-1	-1		
b ₅	1	1	-1	-1	1	1	-1	-1	-1	1	1	-1	-1	1	1	1	1	-1	-1	1	1	-1	-1	-1	-1	1	1	-1	-1	1	1	1		
b ₆	1	1	1	1	-1	-1	-1	-1	-1	-1	-1	-1	1	1	1	1	1	1	1	1	1	1	1	1	-1	-1	-1	-1	-1	-1	1	1	1	
b ₇	1	1	-1	-1	-1	-1	1	1	-1	-1	1	1	1	1	-1	-1	1	1	-1	-1	-1	-1	1	1	-1	-1	1	1	1	1	-1	-1		
b ₈	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1		
b ₉	1	1	-1	-1	1	1	-1	-1	1	1	-1	-1	1	1	-1	-1	1	1	-1	-1	1	1	-1	-1	1	1	-1	-1	1	1	1	1		
b ₁₀	1	1	1	1	-1	-1	-1	-1	1	1	1	1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	1	1	1	1	-1	-1	-1	-1	1	1	1	
b ₁₁	1	1	-1	-1	-1	-1	1	1	1	1	-1	-1	-1	1	1	-1	1	1	1	1	1	1	1	1	1	-1	-1	-1	-1	1	1	1	-1	-1
b ₁₂	1	1	1	1	1	1	1	1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	1	1	1	1	1	1	1	1	1	
b ₁₃	1	1	-1	-1	1	1	-1	-1	-1	-1	1	1	-1	-1	1	1	-1	-1	1	1	1	1	1	1	1	1	1	-1	-1	1	1	-1	-1	
b ₁₄	1	1	1	1	-1	-1	-1	-1	-1	-1	-1	-1	1	1	1	1	-1	-1	-1	-1	1	1	1	1	1	1	1	1	1	1	-1	-1	-1	-1
b ₁₅	1	1	-1	-1	-1	-1	1	1	-1	-1	1	1	1	1	1	-1	-1	-1	-1	1	1	1	1	1	1	1	-1	-1	-1	-1	1	1	1	

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FIG 6 Prior art

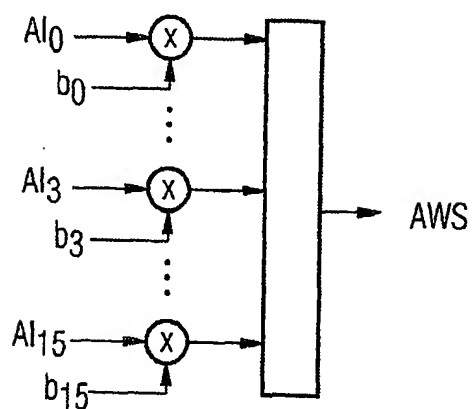
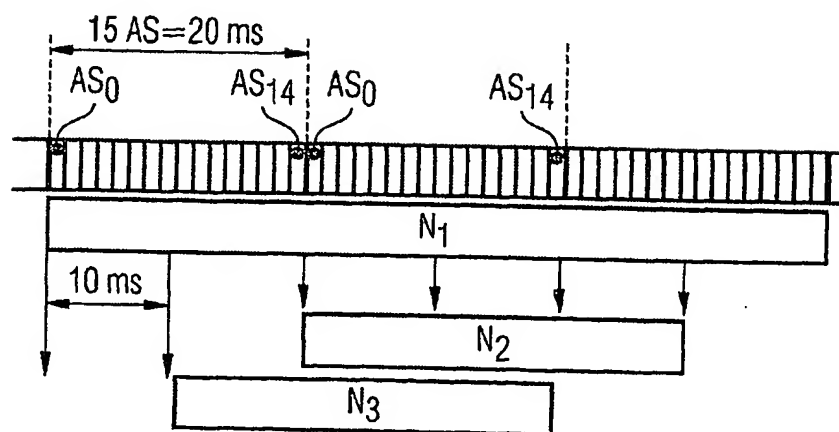


FIG 7 Prior art



AWS

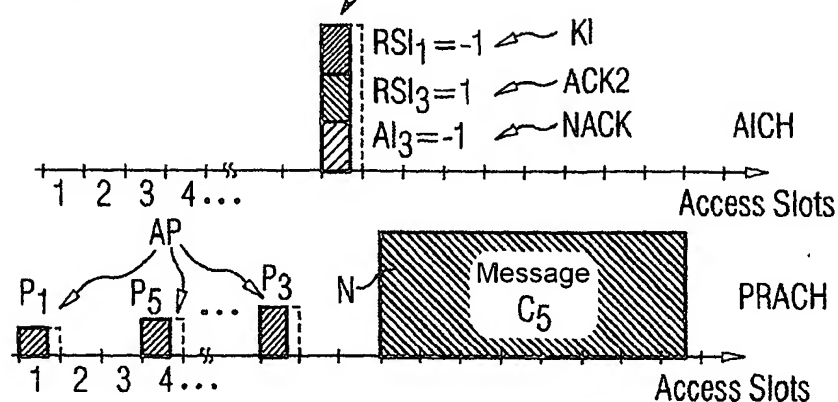


FIG 9

No.	AICH signature character sequences																		
b2 ₀	1	-1	1	-1	1	-1	1	-1	1	-1	1	-1	1	-1	1	-1	1	-1	1
b2 ₁	1	-1	-1	1	1	-1	-1	1	1	-1	-1	1	1	-1	-1	1	1	-1	-1
b2 ₂	1	-1	1	-1	-1	1	-1	1	1	-1	-1	-1	1	-1	1	-1	-1	1	-1
b2 ₃	1	-1	-1	1	-1	1	1	-1	-1	1	-1	1	1	-1	-1	1	-1	1	1
b2 ₄	1	-1	1	-1	1	-1	-1	1	-1	1	-1	1	1	-1	1	-1	1	-1	1
b2 ₅	1	-1	-1	1	1	-1	-1	1	-1	1	1	-1	-1	1	1	-1	-1	1	1
b2 ₆	1	-1	1	-1	-1	1	-1	1	-1	1	1	-1	1	-1	-1	1	-1	1	-1
b2 ₇	1	-1	-1	1	-1	1	1	-1	-1	1	1	-1	-1	1	1	-1	-1	1	-1
b2 ₈	1	-1	1	-1	1	-1	1	-1	1	-1	1	-1	-1	1	-1	1	-1	1	1
b2 ₉	1	-1	-1	1	1	-1	-1	1	1	-1	-1	1	1	-1	-1	1	1	-1	1
b2 ₁₀	1	-1	1	-1	-1	1	-1	1	1	-1	-1	1	-1	1	1	-1	-1	1	-1
b2 ₁₁	1	-1	-1	1	-1	1	1	-1	-1	1	-1	1	1	-1	-1	1	1	-1	-1
b2 ₁₂	1	-1	1	-1	1	-1	-1	1	-1	1	-1	1	-1	1	-1	1	1	-1	1
b2 ₁₃	1	-1	-1	1	1	-1	-1	1	-1	1	1	-1	-1	1	1	-1	-1	1	1
b2 ₁₄	1	-1	1	-1	1	-1	1	-1	1	1	-1	-1	1	1	-1	1	-1	1	1
b2 ₁₅	1	-1	-1	1	-1	1	1	-1	-1	1	-1	1	1	-1	-1	1	1	-1	-1

FIG 10

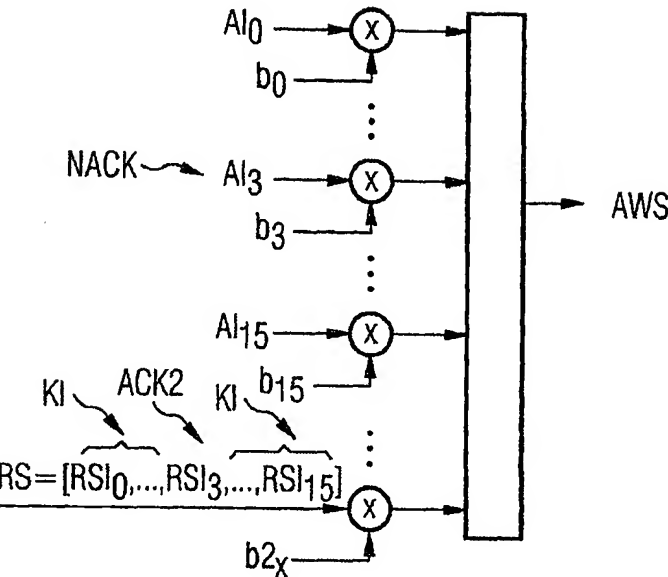
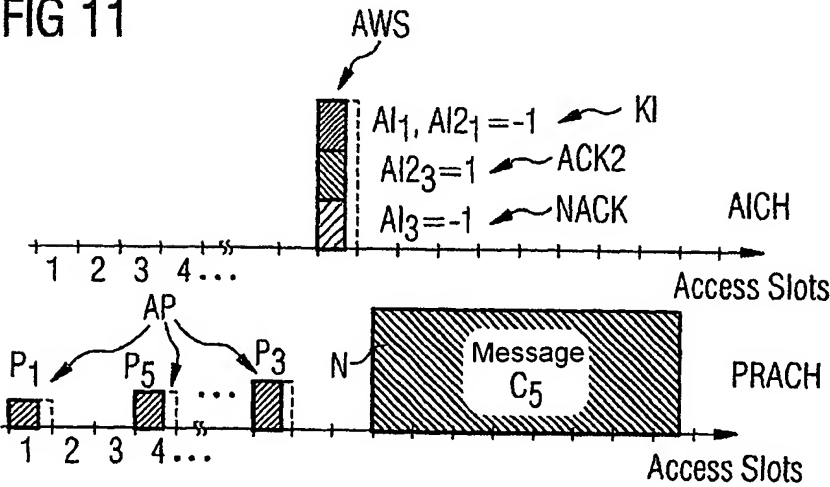


FIG 11



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FIG 12

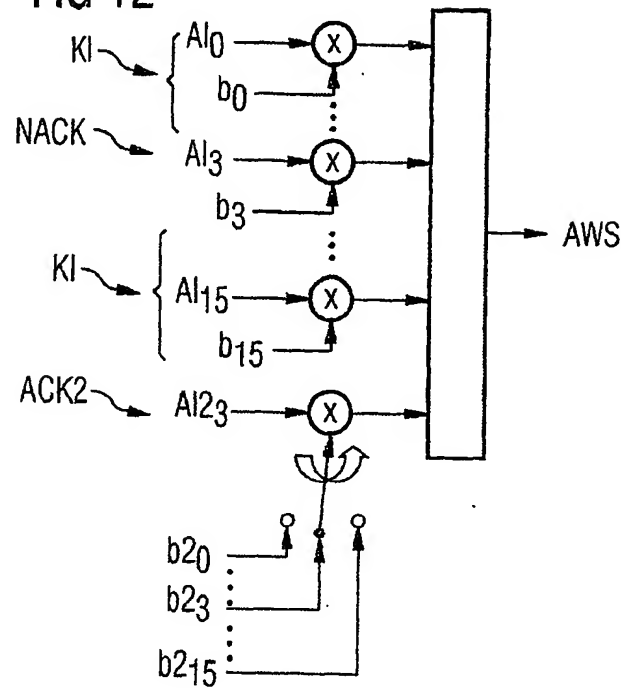


FIG 13

